



SW/Human Food Chain-Targets

4.1.3.3 Human Food Chain Threat Targets

The downstream surface water migration limit includes the Bound Brook and the Raritan River, which are classified as fisheries (Ref. 32, pp. 28, 119; 45, p. 1). The Bound Brook flows into New Market Pond where it supports a warm water fishery (Ref. 32, p. 124; 39, Figure 3). The New Market Pond is listed by the NJDEP Division of Fish and Wildlife as a public angling point in the list of "Places to Fish in NJ - Ponds, Lakes, and Reservoirs List" (Ref. 45, p. 2). The Raritan River (South Branch and North Branch) is stocked with trout from the Pequest State Fish Hatchery (Ref. 48, p. 2). A public health assessment (PHA) compiled by the Agency of Toxic Substances and Disease Registry for the Cornell Dubilier³ site states that "local health officials report that there is some limited consumption of fish by subsistence anglers" in the New Market Pond (Ref. 43, p. 17). The PHA also states that "fishing (and most likely consumption of fish) has occurred in the past and is likely occurring at the Bound Brook and the New Market Pond" (Ref. 43, p. 4, 13). The conclusions of PHA shows that PCBs detected in edible portions of the fish are at levels of public health concerns (Ref. 43, pp. 12-14, 16, 17). In 1998, the NJDEP issued a fish consumption advisory for Bound Brook because of PCB contamination (Ref. 37, pp. 1-3; 43, p. 17-19). The fishery has not been closed.

Other edible species observed in the Dismal Swamp, but not taken into account for scoring purposes are: the Snapping Turtle, Spotted Turtle, Common Box Turtle and Painted Turtle (Ref. 32, pp. 46, 158). Allegedly people eat Snapping Turtles caught in the Dismal Swamp (Ref. 51). Additional information should be obtained in the further investigations related to the consumption of turtles caught in the Dismal Swamp (Ref. 51).

Actual Human Food Chain Contamination

Not Evaluated

Surface Water and Sediment samples

<u>Sample ID</u>	<u>Distance from the Probable Point of Entry</u>	<u>Hazardous Substance</u>	<u>Bioaccumulation Potential Factor Value</u>
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Not Evaluated

Closed Fisheries

<u>Identity of fishery</u>	<u>Hazardous Substance</u>
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Not Evaluated

<u>Sample ID</u>	<u>Distance from the Probable Point of Entry</u>	<u>Hazardous Substance</u>
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Not Evaluated

Benthic Tissue

<u>Sample ID</u>	<u>Distance from the Probable Point of Entry</u>	<u>Organism</u>
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Not Evaluated

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³ CDE is an NPL site located at 1.4 mile downstream from the Woodbrook Road Dump site probable point of entry.